

CLAIMS

5 1. A heat pipe type cooler, comprising:
a heat receiver;
a heat radiator; and
a heat pipe; and
wherein the heat pipe has a generally U or
V shaped profile and is secured at its middle portion to
the heat receiver and wherein the heat receiver and the
heat radiator are thermally connected with the heat pipe.

10 2. The cooler according to claim 1, wherein the
heat radiator has a configuration of a plurality of
horizontally oriented heat radiation plates extending
vertically and wherein each end of the heat pipe passes
through the heat radiation plates.

15 3. The cooler according to claim 1, wherein ~~the~~
heat radiator has corrugations.

4. The cooler according to claim 1, wherein ~~the~~
heat receiver has a ridged portion for heat radiation.

20 5. The cooler according to claim 1, further
comprising a fastener to secure the heat receiver to a
subject to be cooled.

6. The cooler according to claim 1, further
comprising a connector for another cooler.

25 7. The cooler according to claim 6, wherein the
connector comprises a hook portion and a hook engaging
portion.

30 8. A heat pipe type cooler, comprising:
a heat receiver;
a heat radiator; and
a plurality of heat pipes; and
wherein each of the heat pipes has a
generally U or V shaped profile and is secured at its
middle portion to the heat receiver and wherein the heat
receiver and the heat radiator are thermally connected
35 with the heat pipes.

9. The cooler according to claim 8, wherein the
heat radiator has a configuration of a plurality of

RECEIVED DEC 10 1960

Sub
G1

Sub. G1

Sub
G2

horizontally oriented heat radiation plates extending vertically and wherein each end of the heat pipe passes through the heat radiation plates.

10. The cooler according to claim 8, wherein the
5 heat pipes are parallelly spaced apart and disposed in a horizontal row.

Fig. 13 & 14 11. The cooler according to claim 8, further comprising a ventilation duct with an inlet and an outlet such that it surrounds the heat radiator.

10 Fig. 14 12. The cooler according to claim 11, further comprising a fan interposed between preselected heat pipes.

RECEIVED - DEPT. OF DEFENSE